DRAFT TENDER SCHEDULE

BRUHAT BANGALORE MAHANAGARA PALIKE

Sl No.	NAME OF WORK:- Improvements and Restoration of Roads in Ward No.06 (Package No -02) (Package Consists of 11 works)
1	**Improvements and Restoration of Roads at Kaveri Layout, Nandana Residency, Anthony Layout, Munikempanna Layout of Dasarahalli Village and Other Roads in Ward No 06, Byatarayanapura Sub Division**
2	**Improvements And Restoration Of Roads At Hegdenagara Western Side, Mcechs Layout Roads, Akashvani Layout And Other Roads In Ward No-06, Byatrayanpura Sub Division**
3	**Improvements And Restoration Of Roads At Afzal Layout , Saraipalya Cross Roads, Gupta Layout, Vidyanagara HP School Back Side Roads To Thanisandra Village And Other Roads In Ward No.06, Byatarayanapura Sub Division**
4	**Improvements And Restoration Of Roads At Amarjyoti Layout Roads, Anjanadri Layout, Bharathanagara And Thanisandra Govt School Oppt Roads And Other Roads In Ward No-06, Byatrayanpura Sub Division**
5	**Improvements And Restoration Of Roads At Chowdeshwari Layout Phase-1 And Phase-2, Mestripalya Cross Roads, Anjanadri Layout, Pnt Layout And Surrounding Area In Rachenahalli Village And Other Roads In Ward No-06, Byatrayanpura Sub Division**
6	**Improvements And Restoration Of Roads At Hegdenagara Eastern Side, Nes Shanti Nagara, Ex-Services Man Layout, Shiradi Sai Nagara And Other Roads In Ward No-06, Byatrayanpura Sub Division**
7	**Improvements And Restoration Of Roads At Prakruthi Layout, Thayappa Layout, Muniyamma Layout, Chairman Veranna Layout Other Roads In Ward No 06, Byatrayanpura Sub Division**
8	**Improvements And Restoration Of Roads At Defence Layout, Dynasty Layout, Chowrappa Reddy Layout, Amrutha Layout And Other Roads In Ward No 06, Byatarayanapura Sub Division**
9	**Improvements And Restoration Of Roads At Bharatnagar, Amarjyoti Layout, Fatima Layout, Baloon Factory And Swith Factory Cross Roads And Other Roads In Ward No 06, Byatarayanpura Sub Division**
10	**Improvements And Restoration Of Roads At Kaveri Layout, Souther Side, Dasarahalli Extension And Other Roads In Ward No 06, Byatarayanpura Sub Division**
11	**Improvements And Restoration Of Roads At Thanisandra Govt School Surrounding Area Roads, Amarjyoti Layout 1st Stage Roads And Other Roads In Ward No-06, Byatrayanpura Sub Division**

DRAFT TENDER SCHEDULE

Item No	Description of Work	Unit	Total Quantity as per Estimation	Rate as per estimate in Rs.	
				In Figures	In Words
1	Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and directions of the Engineer in charge.	Cum	2948.34	207.60	Rupees Two Hundred Seven and Sixty Paise Only
2	Removing and refixing stone slabs of drains and pointing in CM (1:3) and directions of the Engineer in charge.	Sqm	11025.86	111.30	Rupees One Hundred Eleven and Thirty Paise Only
3	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete. and directions of the Engineer in charge.	Sqm	2756.47	742.00	Rupees Seven Hundred Forty Two Only
4	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. and directions of the Engineer in charge.	Cum	873.18	5619.79	Rupees Five Thousand Six Hundred Nineteen and Seventy Nine Paise Only

Item No	Description of Work	Unit	Total Quantity as per Estimation	Rate as per estimate in Rs.	
				In Figures	In Words
5	Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification No. 1500, 1700, 2200. Including Cost of material, Labour, HOM complete as per Specification- and directions of the Engineer in charge.	Cum	229.26	7422.99	Rupees Seven Thousand Four Hundred Twenty Two and Ninety Eight Paise Only
6	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and directions of the Engineer in charge.	Tonne	14.94	80146.60	Rupees Eighty Thousand One Hundred Forty Six and Sixty Paise Only
7	Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery ,loading ,unloading, lead and lift,transportation etc ,complete. and directions of the Engineer in charge.	Sqm	988.50	1922.00	Rupees One Thousand Nine Hundred Twenty Two Only
8	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete. and directions of the Engineer in charge.	Sqm	76.44	5418.00	Rupees Five Thousand Four Hundred Eighteen Only
9	Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications and directions of the Engineer in charge.	Cum	13432.16	56.26	Rupees Fifty Six and Twenty Six Paise Only
10	Supplying and laying Sand / Crushed Sand and directions of the Engineer in charge.	Cum	6192.38	1680.95	Rupees One Thousand Six Hundred Eighty and Ninety Five Paise Only
11	Extra for watering the earth to bring the earth upto required optimum moisture content manually including cost of all labour complete as per specifications. and directions of the Engineer in charge.	Cum	6192.38	12.72	Rupees Twelve and Seventy Two Paise Only
12	Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. and directions of the Engineer in charge.	Sqm	47174.76	41.34	Rupees Forty One and Thirty Four Paise Only
13	Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications.and directions of the Engineer in charge.	Sqm	52979.73	6.36	Rupees Six and Thirty Six Paise Only
14	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications and directions of the Engineer in charge.	Cum	14768.97	2001.28	Rupees Two Thousand One and Twenty Eight Paise Only

Item No	Description of Work	Unit	Total Quantity as per Estimation	Rate as per estimate in Rs.	
				In Figures	In Words
15	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications and directions of the Engineer in charge.	Sqm	48043.26	33.92	Rupees Thirty Three and Ninety Two Paise Only
16	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by smooth wheeled, vibratory & tandem rollers to achieve the desired density, but excluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications. and directions of the Engineer in charge.	Cum	2402.16	5864.98	Rupees Five Thousand Eight Hundred Sixty Four and Ninety Eight Paise Only
17	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications and directions of the Engineer in charge.	Sqm	50233.26	12.72	Rupees Twelve and Seventy Two Paise Only
18	Providing and laying bituminous concrete using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications and directions of the Engineer in charge.	Cum	2011.09	8450.32	Rupees Eight Thousand Four Hundred Fifty and Thirty Two Paise Only
19	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. and directions of the Engineer in charge.	Sqm	1755.12	454.74	Rupees Four Hundred Fifty Four and Seventy Four Paise Only
20	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications.and directions of the Engineer in charge.	Cum	661.25	1022.74	Rupees One Thousand Twenty Two and Seventy Four Paise Only

Item No	Description of Work	Unit	Total Quantity as per Estimation	Rate as per estimate in Rs.	
				In Figures	In Words
21	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate confirming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire chargedof machines,all lead and lift charges etc., complete as per specifications. and directions of the Engineer in charge.	Cum	767.47	5634.30	Rupees Five Thousand Six Hundred Thirty Four and Thirty Paise Only

" DTS APPROVED "

Executive Engineer

BBMP

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